



FACILITY PERMIT TO OPERATE ULTRAMAR INC (NSR USE ONLY)

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 19 : PETROLEUM MISCELLANEOUS					
System 2: EMERGENCY EQUIPMENT					
INTERNAL COMBUSTION ENGINE, EMERGENCY POWER, LEAN BURN, DIESEL FUEL, CUMMINS, MODEL QSX15-G9, WITH AFTERCOOLER, TURBOCHARGER, 755 BHP A/N: 487438	D1639		NOX; PROCESS UNIT; SOX: PROCESS UNIT	CO: 2.6 GRAMS/BHP- HR (4) [RULE 1303(a)(1) BACT, 5-10-1996; RULE 1303(a)(1) BACT, 12-6- 2002]; NOX: 216 LBS/1000 GAL DIESEL (1) [RULE 2012, 5-6-2005] NOX + ROG: 4.8 GRAMS/BHP-HR (4) [RULE 1303(a)(1) BACT, 5-10-1996; RULE 1303(a)(1) BACT, 12-6- 2002; RULE 2005, 5-6- 2005] PM: 0.15 GRAM/BHP- HR (4) [RULE 1303(a)(1) BACT, 5-10- 1996; RULE 1303(a)(1) BACT, 12-6-2002] PM: (9) [RULE 404, 2-7- 1986] SOX: 6.24 LBS/1000 GAL DIESEL (1) [RULE 2011, 5-6-2005]	B61.3, C1.41, E193.7, H23.31, I296.1

FACILITY CONDITIONS

- F8.1 The operator shall comply with all applicable mitigation measures stipulated in the "Statement of Findings, Statement of Overriding Considerations, and Mitigation Monitoring Plan" document which is part of the AQMD Certified Subsequent Environmental Impact Report dated 08/30/2002 for this facility.

[CA PRC CEQA, 11-23-1970]



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The operator shall comply with the terms and conditions set forth below:

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[**RULE 401, 3-2-1984**; RULE 401, 11-9-2001]

F10.1 Material(s) that contain the following compound(s) shall not be used in this facility;

Total Reduced Sulfur

H₂S

Hydrogen Fluoride

This condition shall not apply if the operator demonstrates to the satisfaction of the Executive Officer that the facility is in compliance with the operational air quality mitigation measures stipulated in the Reformulated Fuels Project EIR as follows:

a. Implementation of an inspection and maintenance program for all odor sources.

b. Installation and inspection of a deluge system in the alkylation unit. The deluge system shall be inspected quarterly and flow tested semi-annually.

c. Installation and inspection of elevated monitors with water spray system covering all area of the alkylation unit. The system shall be inspected weekly and flow tested monthly.

d. Conduct safety review for the GOH unit, revision and implementation of the Risk Management and Prevention Plan (RMPP) for hydrogen sulfide.

e. Conduct safety review for the Sulfur Recovery Unit, revision and implementation for the RMPP for hydrogen sulfide.

[CA PRC CEQA, 11-23-1970]

F14.1 The operator shall not purchase diesel fuel, for stationary source application as defined in Rule 431.2, containing sulfur compounds in excess of 15 ppm by weight as supplied by the supplier.



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[**RULE 431.2, 5-4-1990**; RULE 431.2, 9-15-2000]

F24.1 Accidental release prevention requirements of Section 112(r)(7):

a). The operator shall comply with the accidental release prevention requirements pursuant to 40 CFR Part 68 and shall submit to the Executive Officer, as a part of an annual compliance certification, a statement that certifies compliance with all of the requirements of 40 CFR Part 68, including the registration and submission of a risk management plan (RMP).

b). The operator shall submit any additional relevant information requested by the Executive Officer or designated agency.

[**40CFR 68 – Accidental Release Prevention, 5-24-1996**]

F25.1 The permit holder of this facility shall not install, alter, or operate a refinery process unit or other non-Rule 219 exempt equipment without a valid RECLAIM/TitleV permit issued by the AQMD pursuant to Rule 201 – Permit to Construct, Rule 203 - Permit to Operate, Rule 2004 - Requirements, and Rule 3002 - Requirements, as applicable.

Notwithstanding the above, the provisions of Rules 201, 203, 2004, and 3002 shall not apply to installations or alterations that involve only the equipment listed in Table 1 below, nor shall they apply to the operation of equipment listed in Table 1, when directly associated with permitted process units or other permitted equipment.

Notwithstanding the above, all new equipment listed in Table 1, including associated fugitive components installed with such equipment, shall have Best Available Control Technology installed in conformance with the Best Available Control Technology Guidelines in effect at the time of the installation.

TABLE 1

- (a) Heat Exchanger (including air-cooler, reboiler, cooler, condenser, and shell and tube exchanger)
- (b) In-line Mixer
- (c) Pump
- (d) Knockout Pot - Compressor inlet (immediate inlet) and interstage
- (e) Knockout Pot - Fuel Gas System (downstream of fuel gas mix drums)

This condition applies only to the facility that processes petroleum as defined in the Standard Industrial Classification Manual as Industry No. 2911 - Petroleum Refining, as well as its directly associated sulfur



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recovery plant which may be located outside of the facility.

[RULE 2004, 5-11-2001; RULE 2004, 4-6-2007]

F34.2 The operator shall not sell refinery gas containing sulfur compounds in excess of 40 ppmv, calculated as hydrogen sulfide, averaged over 4-hour period.

[RULE 431.1, 6-12-1998]

F52.1 This facility is subject to the applicable requirements of the following rules or regulation(s):

California Code of Regulations, Title 13, Division 3, Chapter 5

40 CFR 79

40 CFR 80

[40CFR 79, 7-1-1999; 40CFR 80, 7-1-1999; CCR Title 13, 9-24-1999]

F52.2 This facility is subject to the applicable requirements of the following rules or regulation(s):

40 CFR 60 Subpart A

40 CFR 61 Subpart A

40 CFR 63 Subpart A

40 CFR 63 Subpart GGGGG

[40CFR 60 Subpart A, 5-16-2007; 40CFR 61 Subpart A, 5-16-2007; 40CFR 63 Subpart A, 5-16-2007; 40CFR 63 Subpart GGGGG, 11-29-2006]

F52.3 This facility is subject to the applicable requirements of the following rules or regulation(s):

CONSENT DECREE CIVIL NO. SA-05-CA-0569. The facility shall send the District a copy of the semiannual update report sent to the EPA of the specific requirement of emission standards and limitations from the Consent Decree. This report shall also identify any anticipated future requirements known as of the date of the report and dates of compliance for the requirements.



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[CONSENT DECREE VALERO, 6-16-2005]

F60.1 The emission limits identified in Section D and H of the permit shall be defined as emissions discharged to the atmosphere from the originating equipment.

DEVICE CONDITIONS

B. Material/Fuel Type Limits

B61.3 The operator shall only use diesel fuel containing the following specified compounds:

Compound	Weight Percent
Sulfur less than	0.0015

Unless the operator demonstrates in writing to the Executive Officer that specific additional time is necessary to comply with this limit.

[RULE 1303(a)(1) BACT, 5-10-1996; RULE 1303(a)(1) BACT, 12-6-2002]

[Devices subject to this condition: D992, D993, D994, D995, D996, D997, D1021, D1022, D 1259, D1305, D1639]

C. Throughput/Operating Limitation

C1.41 The operator shall limit the operating time to no more than 200 hour(s) in any one year.

This limit includes no more than 50 hour(s) in any one year for maintenance and testing purposes.

To comply with this condition, the operator shall install and maintain a(n) non-resettable elapsed time meter to accurately indicate the elapsed operating time of the engine.

The operator shall maintain an engine operating log which, on a monthly basis, shall list all engine operations in each of the following areas:



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- A. Emergency use hours of operation
- B. Maintenance and testing hours
- C. Other operating hours (Describe the reason for the operation)

In addition, each time the engine is started manually, the log shall include the date of operation and the timer reading in hours at the beginning and end of the operation.

The operation of the engine beyond the 50 hours per year allotted for engine maintenance and testing shall be allowed only in the event of a loss of grid power or up to 30 minutes prior to a rotating outage, provided that the electrical grid operator or electric utility has ordered rotating outages in the control area where the engine is located or has indicated that it expects to issue such an order at a certain time, and the engine is located in a utility service block that is subject to the rotating outage. Engine operation shall be terminated immediately after the utility distribution company advises that a rotating outage is no longer imminent or in effect.

[RULE 1110.2, 2-1-2008; **RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002; **RULE 1303(b)(1)-Modeling, 5-10-1996**; RULE 1303(b)(1)-Modeling, 12-6-2002; **RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002; RULE 1470, 6-1-2007; **RULE 2005, 5-6-2005**]

[Devices subject to this condition: D1639]

E. Equipment Operation/Construction Requirements

E193.7 The operator shall restrict the operation of this equipment as follows:

In addition to maintenance and testing of this engine, this engine shall only be used for either providing electrical power to portable operations or emergency power to stationary sources.

Portable operations are those where it can be demonstrated that because of the nature of the operation, it is necessary to periodically move the equipment from one location to another.

Emergencies at stationary sources are those that result in an interruption of services of the primary power supply or during Stage II or III electrical emergencies declared by the California Independent System Operator.

[RULE 1470, 6-1-2007]



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The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition: D1639]

H. Applicable Rules

H23.31 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1470
CO	40 CFR 60, Subpart	III
NOx	40 CFR 60, Subpart	III
PM	40 CFR 60, Subpart	III
ROG	40 CFR 60, Subpart	III
HAPs	40 CFR 63, Subpart	ZZZZ

[Rule 1470, 6-1-2007; **40 CFR 60, Subpart III, 7-11-2006, 40 CFR 63, Subpart ZZZZ, 1-18-2008**]

[Devices subject to this condition: D1639]

I. Administrative

I296.1 This equipment shall not be operated unless the operator demonstrates to the Executive Officer that the facility holds sufficient RTCs to offset the prorated annual emissions increase for the first compliance year of operation. In addition, this equipment shall not be operated unless the operator demonstrates to the Executive Officer that, at the commencement of each compliance year after the first compliance year of operation, the facility holds sufficient RTCs in an amount equal to the annual emissions increase.

[**Rule 2005, 5-6-2005**]

[Devices subject to this condition: D1639]